

Holds a B. Sc. in Electronics & Communication Engineering and has about 10 years of professional experience in overseeing the installation, testing and commissioning of complex control systems of combined cycle power plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 05/07/1989  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## EDUCATION

: B. Sc. in Electronics & Communication Engineering, Mansoura University, 2012  
: Al-Nawawi Boys School for Secondary Education, UAE, 2007

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet  
: PLC  
: Classic Control  
: Microcontroller

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From 2020 till now  
**Employer** : GE Power  
**Project** : WAS INTEGRATED SOLAR CCPP 1250MW (SAUDI ARABIA)  
**Job title** : I&C Commissioning Engineer  
**Job Description** :

- Follow up the completion of the construction activities; manage the pre-commissioning, start-up and commissioning.
- Testing control systems, including DCS, PLC and SCADA systems.
- Conducting loop checks and various system tests to ensure proper function.
- Identifying and resolving technical issues in control systems to ensure

they meet plant requirements.

- Preparing detailed reports and documentation of all testing and commissioning activities.
- Providing on-site technical support for instrumentation and control related issues during plant operation.
- Interfacing with other contractors and stakeholders to ensure the successful completion of commissioning activities.
- Preparation of commissioning dossiers and documents.

**Dates** : From 2017 till 2020  
**Employer** : Orascom Construction  
**Project** : NEW West Damietta Power Plant 750MW  
**Job title** : I&C Commissioning Engineer  
**Job Description** :

- Carry out starting, normal operation, shut-down and stand still.
- Loop checks for the DCS, Cold / Hot commissioning (C/HFT).
- Site inspection / walk-down, project work & manpower planning.
- Extensive troubleshooting, maintenance experience for Smart (HART) and Foundation Fieldbus (FF) type field devices of all process variable of various Manufacturer like, ABB, Emerson Rosemount, Honeywell, Yokogawa, etc.
- Field Diagnostics Check and Remote calibration by using HART Communicator, pneumatic Druck and hydraulic pump, multimeter and other make standard calibrator.
- Testing of control valve, ESD valves, hydraulic valves, Vibration sensor like velometer, accelerometer and Approximator installation.
- Commissioning on Energized LV & MV switchgear with Operator workstation and troubleshooting problems with Schneider Electric Team.
- Documentation of project hardware / software & reports.
- Routing and testing (Megger and Continuity) for all cable.
- Connection and termination cables according to the wiring sheets.
- Building the strong business relationship with clients.

**Dates** : From 2015 till 2016  
**Employer** : Orascom Construction  
**Project** : ASSIUT POWER PLANT 1500MW  
**Job title** : I&C Commissioning Engineer  
**Job Description** :

- Full supporting for GE frame 9E turbines during testing, calibration, commissioning and first fire.
- Cold and Hot Loop Checks.
- Giving assistance for testing and commissioning for DCS, loop check for BOP, instruments and communication between DCS and GE turbines and GIS.
- Commissioning and testing for FOTP (fuel oil treatment plant).
- Site calibration and commissioning of instruments.
- Commissioning of MOV, AOV, Main Steam Bypass Valves.
- Troubleshooting of valves and instruments.
- MV/LV SWGR & MCC integration to DCS.

**Dates** : From 2013 till 2015

**Employer** : Egyptian Armed Forces

**Job title** : Maintenance & Operation Engineer

**Job Description** :

- Operation and maintenance of electrical and electronics circuit.
- Operation and maintenance of air conditioning systems (central or separate units).
- Ensure plant is running at optimal level, by reading trends and paying attention to detail to notice possible problems before they happen.
- Taking all steps to restore the normal operating condition in case of readings change due to causes not associated with the mode of operation.
- Maintenance & Operation Engineer where I performed preventive, corrective and predictive maintenance and troubleshooting based on root cause analysis as well as overhauls of control circuit, PLC, Electrical circuit and Electronic billboards.

**Field of experience** :

- Skills:
  - Process facility commissioning, operation, troubleshooting and maintenance.
  - Develop plant Systemization and Commissioning plans.
  - Development of pre-commissioning method statement and commissioning procedures.
  - Commissioning and testing of large capacity Gas Turbine, Utility Steam Generators, HRSG, Steam turbines, large high-pressure pumps, pipelines and vessels.
  - Pre-commissioning and commissioning of condensate recovery systems, Feedwater systems, Gas treatment units.
  - Perform and manage chemical cleaning, flushing, and blowing piping systems.
  - Management and delivery of pressure / pneumatic test, hydro test and vacuum test.
  - Develop punch List, NCR and WDR for incomplete work and follow up to full close out.
- Achievements:
  - Ensured HSE awareness on the job to ensure full buy-in of the HSE policies by all staff which helped achieving the set HSE targets.
  - Manage pre-commissioning and commissioning activities.
  - Monitor commissioning performance, train client staff as required and ensure safe work.
  - Manage construction and commissioning activities.
  - Manage Vendor representative pre-commissioning activities.
  - Ensure all pre-commissioning and commissioning documentation are maintained and procedures complied with during execution.
  - Organize and coordinate weekly plan.